

Claims Status

Cancel claims 1 through 12.

13. (New) A light source for detecting forensic residues at a site that are not detectable under ambient lighting, said light source comprising: a thin walled housing member having an interior space including a frontal opening and a rear base; a rechargeable battery operatively removably mounted on said rear base; a handle member selectively removably attached to either a top surface or a bottom surface of said housing member; a source of white light mounted in said frontal opening; means including switch means carried on said housing member for electrically connecting said source to said battery; a reflector member surrounding said source for receiving illumination from said source and projecting reflected illumination forwardly; a cylindrical housing assembly including a frontal lens connected with said housing member at said frontal opening for receiving said reflected illumination from said reflector member and forwardly projecting illumination in a shallow angle beam; a transverse slot formed in said housing assembly and intersecting said reflected illumination; a first slide member slidable in said slot between a plurality of detented positions, said slide member having a first set of a plurality of wavelength filters for selectively illuminating certain of said forensic residues wherein one of said filters is interposed in said reflected illumination in one of said selected positions; an air inlet opening in said housing assembly immediately behind said slide member; an outlet opening in said housing member adjacent said base; and fan means in said housing member adjacent said outlet opening, said fan means being effective for drawing air through said inlet opening

across said slide member and over said light source for maintaining cooling of said housing interior and said filters during operation.

14. (New) The light source as recited in claim 13 including a second slide member having a second set of a plurality of wavelength filters for selectively illuminating other forensic residues.

15. (New) The light source as recited in claim 14 wherein at least one of said slide members includes an unfiltered opening registering with said reflected illumination in one of said selected positions.

16. (New) The light source as recited in claim 14 wherein said filters on one of said slide members have effective wavelength cutoffs of around 363 nm, 415 nm and 450 nm.

17. (New) The light source as recited in claim 16 wherein said filters on the other of said slide members have effective wavelength cutoffs of around 470 nm, 505 nm, and 530 nm.

18. (New) The light source as recited in claim 17 wherein said slide members include indicia identifying said wavelength cutoffs.

19. (New) The light source as recited in claim 18 wherein each of said slide members has a plurality of spaced notches and detent means carried on said lens housing assembly selectively engage said notches to establish selectively said detented positions.

20. (New) The light source as recited in claim 13 including a carrying case containing a second slide member, a tripod, coupling means on said housing member for attaching said light source to said tripod, a recharging assembly for said battery; a plurality of barrier filter goggles for wearing by said user during operation of said light source to enhance observing of said forensic residue; and a camera lens barrier filter for use on a camera for recording observed forensic residue.

21. (New) The light source as recited in claim 20 wherein said barrier filter goggles have yellow, orange, red and UV clear coloration.